

Module 3

Industrial Strength

Heavy Duty Recycling

Industrial Strength

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Nevada Standard Alignment	M3-1s
References	M3-1r
Lesson 15 – Pulp Non-Fiction <i>Industrial Paper Recycling</i>	M3-3
Lesson 16 – Solid Steel <i>Aluminum and Steel Recycling</i>	M3-19
Lesson 17 – Recycle, For PETE's Sake <i>Plastic Recycling</i>	M3-31
Lesson 18 – 2800 Degrees Fahrenheit <i>Glass Recycling</i> <i>(and Mercury exposure)</i>	M3-53
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Module 3

Master Materials List

Student workbooks are used for every lesson. In nearly every lesson the white board and dry erase markers are used. Should you be inclined, transparencies can be made and used on an overhead projector with water-based markers.

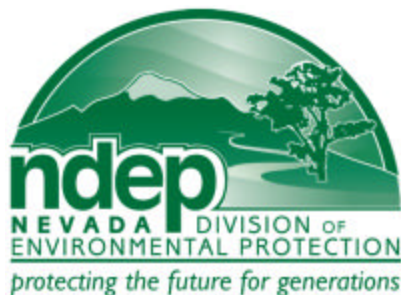
7	Bags containing colored markers
14	Pieces of butcher paper or newsprint: 3ft X 3ft
1	Aluminum can
1	Steel can



Nevada Standard Alignment

M3-1s

Lesson	Title	Topic	<u>Nevada</u> Science	<u>Nevada</u> Language Arts	<u>Nevada</u> Geography	<u>Nevada</u> Mathematics
15	Pulp Non-Fiction	Industrial Paper Recycling	N.5.B.2, P.5.A.3, L.5.C.4	1.5.4, 2.5.1, 2.5.2, 2.5.3, 4.5.1, 4.5.5, 5.5.1, 5.5.5, 5.5.7, 6.5.7, 7.5.3, 7.5.5, 8.5.1, 8.5.2, 8.5.4	2.5.4, 5.5.1, 5.5.4, 6.5.4	n/a
16	Solid Steel	Aluminum and Steel Recycling	N.5.B.2, P.5.A.3, P.5.A.4, P.5.B.3, L.5.C.4	5.5.1, 5.5.3, 5.5.5, 6.5.3, 7.5.3, 7.5.5, 8.5.1, 8.5.2, 8.5.4	2.5.4, 5.5.1, 5.5.4, 6.5.4	n/a
17	Recycle For PETE's Sake	Plastic Recycling	N.5.B.2, P.5.A.3, P.5.A.4, L.5.C.4	7.5.3, 7.5.5, 8.5.1, 8.5.2, 8.5.4	2.5.4, 5.5.1, 5.5.4, 6.5.4	n/a
18	2800 Degrees Fahrenheit	Glass Recycling (and Mercury exposure)	N.5.B.2, P.5.A.3, P.5.A.4, L.5.C.4	1.5.4, 2.5.1, 2.5.2, 2.5.3, 4.5.1, 4.5.5, 5.5.1, 7.5.3, 7.5.5, 8.5.1, 8.5.2, 8.5.4	2.5.4, 5.5.1, 5.5.4, 6.5.4	n/a
19	Socrates Static	Assessment	Assessment	Assessment	Assessment	Assessment
20	Socrates Static (part 2)	Assessment	Assessment	Assessment	Assessment	Assessment



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References

Lesson 15 – Pulp Non-Fiction

United States Environmental Protection Agency. (2006). *Municipal Solid Waste in the United States: 2005 Facts and Figures* (EPA530-R-06-011).

TAPPI. (2001). *How is Paper Recycled?*. Retrieved June 4, 2008 from http://www.tappi.org/paperu/all_about_paper/earth_answers/earthAnswers_Recycle.pdf

Lesson 16 – Solid Steel

United States Environmental Protection Agency. (2006). *Municipal Solid Waste in the United States: 2005 Facts and Figures* (EPA530-R-06-011).

Oregon Department of Environmental Quality. (2001). *Lesson 15: All About Aluminum*. Retrieved May 28, 2008 from <http://www.deq.state.or.us/lq/pubs/docs/sw/curriculum/RRPart0315.pdf>

Lesson 17 – Recycle, For PETE's Sake

United States Environmental Protection Agency. (2006). *Municipal Solid Waste in the United States: 2005 Facts and Figures* (EPA530-R-06-011).

American Chemistry Council. (2007). *Plastic Packaging Resins*. Retrieved May 28, 2008 from http://www.americanchemistry.com/s_plastics/bin.asp?CID=1102&DID=4645&DOC=FILE.PDF

Lesson 18 – **2800 Degrees Fahrenheit**

United States Environmental Protection Agency. (2006). *Municipal Solid Waste in the United States: 2005 Facts and Figures (EPA530-R-06-011)*.

Glass Packaging Institute. (2005). *FAQ'S*. Retrieved May 28, 2008 from <http://www.gpi.org/recycling/faq/>

Nevada Division of Environmental Protection. (2005). *What You Need to Know About Mercury*. [Brochure]. Carson City, NV: Author.

Lesson 19 – **Socrates Static**

static. (2008). In *Merriam-Webster Online Dictionary*. Retrieved June 5, 2008, from <http://www.merriam-webster.com/dictionary/static>

Lesson 20 – **Socrates Static**

No works referenced for this lesson.